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PTO/SB/08A (08-00)

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<b>Substitute for form 1449A/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)  Sheet 1 of 4		<b>Complete if Known</b>	
		Application Number	10/054,619
		Filing Date	January 22, 2002
		First Named Inventor	Richard J. Melker et al.
		Group Art Unit	3736
		Examiner Name	
		Attorney Docket Number	UF-270

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
JN	U1	US 3,649,199		3/14/72	Littlejohn	
	U2	US 3,951,607		4/20/76	Fraser	
	U3	US 4,202,352		5/13/80	Osborn	
	U4	US 4,312,228		1/26/82	Wohljen	
	U5	US 4,361,026		11/30/82	Muller et al.	
	U6	US 4,399,686		8/23/83	Kindlund et al.	
	U7	US 4,734,777		3/29/88	Okino et al.	
	U8	US 4,796,639		1/10/89	Snow et al.	
	U9	US 4,895,017		1/23/90	Pyke et al.	
	U10	US 4,938,928		7/3/90	Koda et al.	
	U11	US 4,992,244		2/12/91	Grate	
	U12	US 5,034,192		7/23/91	Wrighton et al.	
	U13	US 5,042,501		8/27/91	Kenny et al.	
	U14	US 5,060,506		10/29/91	Douglas	

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
JN	F1		WO 92/10749		25.06.92	Novapure Corporation		
JN	F2		WO 95/31718		23.11.95	Forschungszentrum Karlsruhe GmbH		
JN	F3		WO 99/12471		18.03.99	Oridion Medical Ltd.		
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Sheet 2 of 4

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MN	U15	US 5,071,770		12/10/91	Kolesar, Jr.	
	U16	US 5,081,871		1/21/92	Glaser	
	U17	US 5,137,692		8/11/92	Fritz	
	U18	US 5,145,645		9/8/92	Zakin et al.	
	U19	US 5,179,027		1/12/93	Fisher	
	U20	US 5,252,292		10/12/93	Hirata et al.	
	U21	US 5,325,704		7/5/94	Mariani et al.	
	U22	US 5,351,522		10/4/94	Lura	
	U23	US 5,465,608		11/14/95	Lokshin et al.	
	U24	US 5,466,700		11/14/95	Batenhorst et al.	
	U25	US 5,528,924		6/25/96	Wajid et al.	
	U26	US 5,547,878		8/20/96	Kell	
	U27	US 5,560,352		10/1/96	Heim et al.	
	U28	US 5,573,005		11/12/96	Ueda et al.	

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nu	U29	US 5,605,612		2/25/97	Park et al.	
	U30	US 5,756,879		5/26/98	Yamagishi et al.	
	U31	US 5,771,890		6/30/98	Tamada	
	U32	US 5,776,783		7/7/98	Kell	
	U33	US 5,783,154		7/21/98	Althainz et al.	
	U34	US 5,795,787		8/18/98	Silkoff et al.	
	U35	US 5,830,412		11/3/98	Kimura et al.	
	U36	US 5,900,552		5/4/99	Chu et al.	
	U37	US 5,918,257		6/29/99	Mifsud et al.	
	U38	US 5,945,069		8/31/99	Buehler	
	U39	US 5,950,630		9/14/99	Portwood et al.	
	U40	US 5,954,685		9/21/99	Tierney	
	U41	US 5,962,335		10/5/99	Katzman	
	U42	US 5,971,937		10/26/99	Ekström	
	U43	US 6,010,459		1/4/2000	Silkoff et al.	
	U44	US 6,085,576		7/11/2000	Sunshine et al.	
	U45	US 6,136,801		10/24/2000	Kell	
	U46	US 6,180,414	B1	1/30/2001	Katzman	
	U47	US 6,186,977	B1	2/13/2001	Andrews et al.	
	U48	US 6,216,690	B1	4/17/2001	Keitel et al.	
	U49	US 6,244,096	B1	6/12/2001	Lewis et al.	
	U50	US 6,251,082	B1	6/26/2001	Rayburn I	
	U51	US 6,305,212	B1	10/23/2001	Drzewiecki	

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Attorney Docket Number	UF-270

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**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article, (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
RA	R1	Parry AD et al. (1995) "Leg ulcer odour detection identified beta-haemolytic streptococcal infection," <i>Journal of Wound Care</i> , 4:404-406.	
	R2	Huang, J.W. et al. (Aug. 1, 1996) "Depth of anesthesia estimating & propofol delivery system," <a href="http://www.rpi.edu/~royr/roy_descpyt.html">http://www.rpi.edu/~royr/roy_descpyt.html</a>	
	R3	Kenny, G. "Target-controlled infusions-pharmacokinetic and pharmacodynamic variations," <a href="http://www.anaesthesiologie.med.uni-erlangen.de/esctaic97/a_kenny.htm">http://www.anaesthesiologie.med.uni-erlangen.de/esctaic97/a_kenny.htm</a>	
	R4	Chandiok S, et al. (1997) "Screening for bacterial vaginosis: a novel application of artificial nose technology," <i>Journal of Clinical Pathology</i> , 50(9):790-791.	
	R5	Hanson, III, CW, Steinberger HA (Sep. 1997) "The use of a novel electronic nose to diagnose the presence of intrapulmonary infection," <i>Anesthesiology</i> , 87 (3A), Abstract A269	
	R6	Groves, W.A. et al. (1998) "Analyzing organic vapors in exhaled breath using a surface acoustic wave sensor array with preconcentration: Selection and characterization of the preconcentrator adsorbent," <i>Analytica Chimica Acta</i> pp. 131-143.	
	R7	Kuipers, J.A. et al. (1999) "First-pass lung uptake and pulmonary clearance of propofol," <i>Anesthesiology</i> 91:1780-1787.	
RA	R8	Fujita, A. et al. (2000) "A Simple method for detecting plasma propofol," <i>Anesth. Analg</i> 90:1452-1454.	
	R9		
	R10		
	R11		
	R12		
	R13		

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